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REPORT NO.

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PETROLEUM-MACHINERY INDUSTRY  
BOASTS INNOVATIONS, HIGH PRODUCTION

A foundry mechanic has designed a molding machine which has been found 30-percent more productive than older machines in the plant. It has been slated for series production on the basis of recent tests. The same mechanic has developed a more economical method for removing salt scale from tempered parts.

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Instead of sandblasting the parts, they are now subjected to forced currents of hot air. Suggestions of this worker on mechanization in one section of the foundry will soon be put into effect.

A core maker has devised a method of making certain cores without the use of wires, which has effected a considerable saving in material. These cores are used in the casting of air nozzles, the outer mold being of pig iron. The same core maker has devised a method of casting which makes it possible to use the same pig-iron mold for ten castings, instead of scrapping it after each one, as was formerly the case.

Vechernyaya Moskva, 8 Aug 50

Freight trains proceed daily from the Moscow Borets Plant to the oil fields of Azerbaydzhan, Bashiriya, Kazakhstan, and the western Ukraine, carrying new compressors, hydraulic pumps, and heavy blowers.

The daily output of finished products from the third machine shop has risen 15 percent over the June figure. Every day Stakhanovites of the forge shop are turning out above-plan products from saved metal.

On the initiative of one innovator, free forging replaced stamping of alloyed steel. As a result, the weight of each part thus produced was reduced by 5.45 kilograms.

Another innovator developed an improved process for making crank shafts, which during July saved the plant  $2\frac{1}{2}$  tons of steel.

For its efforts in the second quarter, the Borets Plant was permitted to keep its transferable Red Banner of the Council of Ministers USSR. It has held it since December 1947.

CLEAR SPACE FOR NEW EQUIPMENT -- Moscow Trud, 13 May 50

Baku machine builders are seeking ways to make room in existing plant space for new equipment, thus helping to increase the output of petroleum-industry equipment.

An accessories space at the Kishlinskiy Plant has been cleared to make room for a centrifugal-casting shop. The welding and assembly shops at the Plant imeni Volodarskiy have been consolidated, and new units set up in the space. The Plant imeni Dzerzhinskiy has freed 1,350 square meters of working area, and considerably enlarged the assembly shop.

NEW DISPATCHER UNIT TO AID PETROLEUM INDUSTRY -- Moskovskaya Pravda, 17 May 50

A plant of the Chernomor'neft' Trust, Krasnodar, has completed tests on a dispatcher unit for controlling the operation of deep-well pumps.

TRUST PRODUCES ABOVE PLAN -- Bakinskiy Rabochiy, 30 Apr 50

All 14 plants of the Azneftemash Trust have fulfilled the 4-month plan. The Plants imeni Lieutenant Shmidt, imeni Budenny, the Kishlinskiy, imeni Kirov, and imeni Dzerzhinskiy, and the Baku Tractor-Repair Plant especially distinguished themselves. Petroleum workers have received much above-plan equipment, including Sh-8 rotors, gusher caps, preventers, drill transmissions, and several hundred tons of steel and pig iron. As compared to the beginning of the year, the output of drill-pipe locks has risen 44 percent, that of bits and various forgings, 24 percent.

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Bakinskiy Rabochiy, 12 Jul 50

Petroleum-machine builders are getting out ever-increasing quantities of drilling gear, pumping-jack rocker-reducers, deep-well pumps, gusher-capping equipment, gouges, derricks, and other equipment. The Azneftemash Trust boosted its output for the first half year 33.5 percent over the corresponding period of last year.

Bakinskiy Rabochiy, 26 Jul 50

Petroleum-machinery plants of the Azneftemash Trust completed the 6-month plan 105.5 percent. The general success of the trust was marred, however, by certain failures in specific lines of production. The Plant imeni Kirov, for instance, failed to deliver 18,547 clamps for holding drilling pipes together. The Bakinskiy Rabochiy Plant was short by 68 pumping-jack rockers. The Plant imeni Volodarskiy missed by a large number of wrenches and hoists.

In 17 months the plants of the Azneftemash Trust have received 311 complaints against the quality of their products. Claims have been made against faulty deep-well pumps put out by the Plant imeni Dzerzhinskiy and clamps made by the Plant imeni Kirov.

There are grave defects in the work at the trust's plants. They suffer from last-minute speed-up, excessive overtime, high rate of rejects and low quality of output.

The management of the trust has not responded to the party's insistence on economical operation and full utilization of equipment.

URGES BROADER APPLICATION OF AUTOMATIC WELDING -- Bakinskiy Rabochiy, 22 Jul 50

The chief engineer of the Neftegermetizatsiya Trust urges broader application of automatic electric welding in Baku petroleum machinery plants. He cites the example of the Oktyabr'skaya Revolyutsiya Plant, where Paton automatic electric welding heads are being used effectively.

EVOLVE NEW WELDING METHOD -- Moscow Pravda, 14 Aug 50

Workers in the metal structures shop of the Sverdlovsk Uralmash Plant have developed a new, more effective method of welding and assembly of certain units for a new petroleum-drilling device.

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